

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO. : 7,247,185

APPLICATION NO.: 10/710,969

ISSUE DATE : July 24, 2007

INVENTOR(S) : Edward Jobson; Anna Holmgren Hagg

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Swedish priority application (SE 0200453-9) was filed on March 23, 2007 but was not listed on the front page of patent. Please make this correction by listing Swedish priority application (SE 0200453-9) on front page of patent.

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NOVAK DRUCE & QUIGG, LLP
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This is to certify that the annexed is a true copy of the documents as originally filed with the Patent- and Registration Office in connection with the following patent application.

(71) **Sökande** Volvo Technology Corp, Göteborg SE
Applicant (s) Ford Global Technologies Inc, Dearborn MI US

(21) **Patentansökningsnummer** 0200453-9
Patent application number

(86) **Ingivningsdatum** 2002-02-15
Date of filing

Stockholm, 2006-11-22

För Patent- och registreringsverket
For the Patent- and Registration Office

Ingegerd Karlsson
Ingegerd Karlsson

Avgift
Fee 170:-



PTO/SB/21 (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/710,969
Filing Date	08-15-2004
First Named Inventor	JOBSON et al.
Art Unit	1724
Examiner Name	GREENE, JASON M.
Attorney Docket Number	6730.058.PCUS00

ENCLOSURES (Check all that apply)		
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm Name	NOVAK DRUCE & QUIGG, LLP	
Signature	/Tracy W. Druce/	
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Date	03/23/2007	Reg. No. 35,493

CERTIFICATE OF TRANSMISSION/MAILING

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Typed or printed name	Michelle Williams	Date 03/23/2007

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This is to certify that the annexed is a true copy of the documents as originally filed with the Patent- and Registration Office in connection with the following patent application.

(71) **Sökande** *Volvo Technology Corp, Göteborg SE*
Applicant (s) *Ford Global Technologies Inc, Dearborn MI US*

(21) **Patentansökningsnummer** *0200452-1*
Patent application number

(86) **Ingivningsdatum** *2002-02-15*
Date of filing

Stockholm, 2004-08-25

*För Patent- och registreringsverket
For the Patent- and Registration Office*

Hjördis Segerlund
Hjördis Segerlund

*Avgift
Fee 170:-*



US007247185B2

(12) **United States Patent**
Jobson et al.

(10) **Patent No.:** **US 7,247,185 B2**
(45) **Date of Patent:** **Jul. 24, 2007**

(54) **DEVICE FOR TREATMENT OF A GAS FLOW**

(75) Inventors: **Edward Jobson**, Romelanda (SE); **Anna Holmgren Hägg**, Torslanda (SE)

(73) Assignees: **Volvo Technology Corporation**, Gothenburg (SE); **Ford Global Technologies LLC**, Dearborn, MI (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **10/710,969**

(22) Filed: **Aug. 15, 2004**

(65) **Prior Publication Data**

US 2005/0138907 A1 Jun. 30, 2005

Related U.S. Application Data

(63) Continuation of application No. PCT/SE03/00223, filed on Feb. 11, 2003, now abandoned.

(51) **Int. Cl.**

B01D 46/00 (2006.01)

F01N 3/022 (2006.01)

F01N 3/10 (2006.01)

(52) **U.S. Cl.** **55/523; 55/282.3; 55/385.3; 55/410; 55/418; 55/482; 55/524; 55/DIG. 10; 55/DIG. 30; 60/274; 60/282; 60/297; 60/299; 60/300; 60/303; 60/311; 96/108; 96/154; 96/384; 96/386; 423/212; 423/213.2; 422/170; 422/180; 422/182**

(58) **Field of Classification Search** **55/282.2, 55/282.3, 385.3, 410, 418, 523, 524, DIG. 10, 55/DIG. 30, 482; 96/108, 154, 384, 385, 96/386; 60/274, 282, 297, 299, 300, 303, 60/311; 423/210, 212, 213.2, 213.5, 213.7; 428/116, 117, 118; 502/439; 422/169, 170, 422/171, 180, 182, 183**

See application file for complete search history.

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Primary Examiner—Jason M. Greene

(74) *Attorney, Agent, or Firm*—Novak Druce + Quigg, LLP

(57) **ABSTRACT**

Device for treatment of a gas flow having at least one body (3) that is adapted to cause a conversion in the composition of the gas. The device is characterized in that the body (3) has a modular construction comprising a plurality of sections (26, 26', 27, 27', 36) with different internal structures that allow gas to flow through the section, and that the sections (26, 26', 27, 27', 36) are arranged so that at least a portion of the gas flows through at least two sections with different internal structures during operation of the device.

33 Claims, 7 Drawing Sheets

